



## California Demand Response Programs for 2004

PROVIDER	PROGRAM	ELIGIBILITY	INCENTIVES / PENALTIES	EQUIPMENT REQUIRED
<b>Statewide</b>				
California Independent System Operator (ISO) 916-608-5832	<b>Voluntary Load Reduction Program</b> Relies upon participants to reduce their energy consumption by an amount of their choosing when the California ISO declares a power emergency.	<b>Businesses, cities and water agencies</b> Not already participating in the ISO's Ancillary Services Load Program or an IOU's Optional Binding Mandatory Curtailment Program	Potentially lower energy costs. California ISO acknowledges and promotes these "good citizen" conservation efforts through media events, news releases and a "thank you" to companies via its website.	None
California Energy Commission, Kema-Xnergy, Nexant 916-654-4774 <a href="http://www.consumerenergycenter.org/enhancedautomation/">http://www.consumerenergycenter.org/enhancedautomation/</a>	<b>Enhanced Automation</b> Provides a free preliminary evaluation to identify demand response potential.	<b>Businesses</b> Medium- to large-sized business with demand of 200 kilowatts (kW) or more	Lower energy costs and improve building operations	None
California Energy Commission-approved engineering firms	<b>Technical Assistance</b> Provides professional audit, reimbursable up to \$50/kW of load reduction, provided the business agrees to participate in one of the eligible Demand Response initiatives.	<b>Businesses</b> Currently, Critical Peak Pricing, Demand Bidding Program and Hourly Pricing Option participants are eligible.	Participants receive up to \$50/kW of load reduction	None
California Demand Reserves Partnership Program <a href="http://www.caldrp.com/Documents/faq.html#Q1">http://www.caldrp.com/Documents/faq.html#Q1</a>	<b>California Demand Reserves Partnership Program</b> A business or organization makes adjustments to power usage when and where reductions are needed due to short supplies and/or price spikes. Business or organization signs up to participate via a Demand Reserves Provider. Participant is notified by phone or e-mail as much as 24 hours in advance that a reduction will be needed. Industrial businesses may elect to reschedule certain operations to non-peak power usage time.	<b>Businesses, cities and water agencies</b>	Two types of payments from Demand Reserves Provider: a retainer for the committed capability to reduce demand and a performance payment that is tied to the actual amount of demand that is reduced. Payment amount may vary depending on the package of services provided.	Participants must have an interval meter, which records electricity usage in 15-minute intervals.
<b>Investor-Owned Utilities</b>				
Pacific Gas & Electric <a href="http://www.pge.com/biz/load_mgmt/">http://www.pge.com/biz/load_mgmt/</a>  San Diego Gas & Electric <a href="http://sdge.com/business/drp.shtml">http://sdge.com/business/drp.shtml</a>  Southern California Edison <a href="http://www.sce.com/i6bip">http://www.sce.com/i6bip</a>	<b>Base Interruptible Program</b> Pays participants to reduce their load to a pre-determined level when the California ISO calls a load curtailment notice. Must commit to curtail at least 15% of average monthly load or a minimum of 100 kW, whichever is greater.  Interruptions are limited to: - One four-hour event each day - 10 events per month - Maximum of 120 hours per year	<b>Businesses</b> PG&E: Full-service customers served under rate schedules A-10, A-10 TOU, E-19 (including voluntary) or E-20 and not participating in another mandatory load curtailment program or an Optional Binding Mandatory Curtailment Plan.  SDG&E: All time-of-use metered customers  SCE: Customers served under rate schedule TOU-8. Available concurrently to existing customers on I-6, TOU-8-SOP-I.	Participants receive \$7 per kW per month for the amount of load reduction, paid year-round. Penalty is \$6 per kWh for energy use over the pre-determined level during a curtailment event.	Interval meter. If participants do not have an interval meter, the IOU can install one at no charge. Participants receiving a free meter will be required to remain in the program for one full year.
Pacific Gas & Electric <a href="http://www.pge.com/biz/load_mgmt/">http://www.pge.com/biz/load_mgmt/</a>  San Diego Gas & Electric <a href="http://sdge.com/business/drp.shtml">http://sdge.com/business/drp.shtml</a>  Southern California Edison <a href="http://www.sce.com/sc3/002_save_energ/002i_load_redn/default.htm?id=load_reduct_button">http://www.sce.com/sc3/002_save_energ/002i_load_redn/default.htm?id=load_reduct_button</a>	<b>Demand Bidding Program</b> Allows participants to submit bids for a proposed level of load reduction at an offered price for each curtailment event. Participants must commit to reduce a minimum of at least 100 kW. Bids may be requested a 'Day-Ahead' or during 'Day Of' emergencies.	<b>Businesses</b> Full-service customers with an average monthly demand of at least 200 kW and not participating in the California Power Authority's Demand Reserves Partnership program.	Participants receive a credit equal to \$0.15 per kWh or greater for reducing load during a Day-Ahead DBP event or \$0.50 per kWh for reducing load during a Day-Of (emergency) event. This is a voluntary program -- no penalties.	Interval meter. If necessary, PG&E will provide and install the metering equipment at no cost for non-agricultural customers through December 31, 2004.

<p>Pacific Gas &amp; Electric http://www.pge.com/biz/load_mgmt/</p> <p>San Diego Gas &amp; Electric http://sdge.com/business/drp.shtml</p> <p>Southern California Edison http://www.sce.com/sc3/002_save_energ/002i_load_redn/default.htm?id=load_reduct_button#cpp</p>	<p><b>Critical Peak Pricing</b> Allows participants to lower their business' electric bills by shifting or reducing electricity during critical peak summer afternoons (noon to 6 p.m. ). Participants receive day-ahead notification and program takes place only 12 days during each summer season.</p>	<p><b>Businesses</b> PG&amp;E: Bundled-service customers with an average annual demand of 200 kW or greater.</p> <p>SDG&amp;E: Customers with monthly demand of 100 kW or greater.</p> <p>SCE: Most bundled service customers with monthly demand of 200 kW or greater.</p>	<p>Participants receive a discount on all part and on-peak usage on all other days of the summer period that starts May 1 and ends October 31. Usage during summer peak hours is discounted on days when no CPP events are called. Risk: Higher on-peak energy charges on Critical Peak Pricing days.</p>	<p>Interval meter. If necessary, PG&amp;E will provide and install the metering equipment at no cost for non-agricultural customers through December 31, 2004.</p>
<p>Pacific Gas &amp; Electric http://www.pge.com/biz/load_mgmt/</p> <p>San Diego Gas &amp; Electric http://sdge.com/business/drp.shtml</p> <p>Southern California Edison http://www.sce.com/sc3/002_save_energ/002i_load_redn/default.htm?id=load_reduct_button#obmcp</p>	<p><b>Optional Binding Mandatory Curtailment Plan</b> Lets participants avoid curtailments by implementing load reductions of 5% to 15% increments on their entire circuit or dedicated substation during rotating outages.</p>	<p><b>Businesses</b> Must file load reduction plan with utility for approval. Bundled service and direct access service customers are eligible.</p>	<p>Participants are exempted from rotating outages. There are penalties associated with non-compliance to E-OBMC plan curtailments.</p> <p>SGD&amp;E: \$6/kWh penalty for energy consumed above the power reduction commitment.</p>	<p>If the participant is the only customer on the circuit, standard interval metering may be sufficient to participate in the program. For multi-customer circuits, substation-level metering will be required. Program participants pay the cost of required metering equipment.</p>
<p>Pacific Gas &amp; Electric http://www.pge.com/biz/load_mgmt/</p> <p>San Diego Gas &amp; Electric http://sdge.com/business/drp.shtml</p> <p>Southern California Edison http://www.sce.com/sc3/002_save_energ/002i_load_redn/default.htm?id=load_reduct_button#obmcp</p>	<p><b>Scheduled Load Reduction Program (June 1 - September 30)</b> Participants identify one to three four-hour time periods during the week when they are willing to curtail their electric load. Must commit to curtail at least 15% of their average monthly load or a minimum of 100 kW, whichever is greater. Must curtail electric load once each week for each period they choose during the summer season, June 1 through September 30. Loads cannot be shifted to an on-peak period of another day. SDG&amp;E: Participants must commit to curtail at least 15% of their average annual demand or a minimum of 100 kW, whichever is greater.</p>	<p><b>Businesses</b> Bundled-service customers with an average annual demand of 100 kW and not participating in the ISO's Ancillary Services Load Program or Optional Binding Mandatory Curtailment Program</p>	<p>PG&amp;E and SCE: Participants receive \$0.10 per kilowatt-hour (kWh) for committed energy reductions below a baseline.</p> <p>SCE: Participants receive \$0.15 per kWh.</p> <p>The baseline is the average of the participant's previous 10-day usage during their selected time period excluding days when the participant is paid to reduce load.</p>	<p>Telephone-accessible interval meter. Participants that do not have a meter, IOU will install one at no charge. Participants are responsible for the installation and monthly fees associated with telephone equipment and a dedicated phone line to the meter.</p>
<p>Pacific Gas &amp; Electric http://www.pge.com/biz/load_mgmt/</p>	<p><b>Pilot Optional Binding Mandatory Curtailment Plan</b> Grants exemption from rotating outages for customers in Santa Clara, San Mateo and Alameda counties.</p>	<p><b>Businesses</b> PG&amp;E customer must file load reduction plan with utility for approval. Bundled service and direct access service customers are eligible.</p>	<p>Participants are exempted from rotating outages. There are penalties associated with non-compliance to E-OBMC plan curtailments.</p>	<p>If the participant is the only customer on the circuit, standard interval metering may be sufficient to participate in the program. For multi-customer circuits, substation-level metering will be required. Program participants will pay the cost of required metering equipment.</p>
<p>Southern California Edison http://www.sce.com/sc3/009_for_your_home/009b_air_cond_prog/default.htm</p>	<p><b>Residential Summer Discount Plan</b> Provides and installs a cycling device on participant's central air conditioner. Program operates only during the summer (first Sunday in June to first Sunday in October). The cycling device is activated by a remote radio signal, allowing SCE to temporarily turn off, or "cycle," the air conditioner(s) when needed. Choice of two plans: Base, which cycles a maximum of 15 cycling times per year or Enhanced, which provides twice the credit for cycling the air conditioner an unlimited number of times per year.</p>	<p><b>Residents</b> SCE customer with a central air conditioner in good working order; participate for a minimum of one year.</p>	<p>Participants receive a credit on their summer season electric bills based on their current rate schedule, the cycling program and option selected, and the calculated tonnage of the air conditioner participating in the program.</p>	<p>SCE provides and installs a cycling device on participant's central air conditioner.</p>
<p>Southern California Edison http://www.sce.com/sc3/002_save_energ/002a_rebates/002a8_accp_com/default.htm</p>	<p><b>Commercial Summer Discount Plan</b> Provides and installs a cycling device on participant's central air conditioner. Program operates only during the summer (first Sunday in June to first Sunday in October). The cycling device is activated by a remote radio signal, allowing SCE to temporarily turn off, or "cycle," the air conditioner(s) when needed. SCE offers two commercial Summer Discount Plans with choice of four different cycling options within each program.</p>	<p><b>Businesses</b> SCE customer with a central air conditioner in good working order; participate for a minimum of one year.</p>	<p>Participants receive a credit on their summer season electric bills based on their current rate schedule, the cycling program and option selected, and the calculated tonnage of the air conditioner participating in the program.</p>	<p>SCE provides and installs a cycling device on participant's central air conditioner.</p>

Southern California Edison <a href="http://www.sce.com/sc3/002_save_energ/002i_load_redn/default.htm?id=load_reduct_button#energysmart">http://www.sce.com/sc3/002_save_energ/002i_load_redn/default.htm?id=load_reduct_button#energysmart</a>	<b>Energy\$mart Thermostat SM Program</b> Interactive demand response pilot program tests new technology for controlling air temperature and reducing bills. SCE installs at the customer's facility a pre-programmed thermostat connected to SCE via the Internet. SCE will monitor and alter the thermostat based on test needs during summer weekdays from May 1 through October 31.	<b>Limited to 9,000 small commercial and nonprofit customers.</b> Must have a working central air conditioner of at least 3 tons, be bundled service customers of SCE, have monthly energy usage of at least 1,000 kWh, but not exceed an average monthly billing electrical demand of 200 kW.	Participants may save money on electric bills, earn up to \$150 incentive from SCE for reducing energy use, and receive a new digital programmable thermostat (installed and programmed at no charge). Incentive payment will be reduced, by a small fee, every time the customer overrides their thermostat setting during program events.	At least one functional, existing package air conditioning system between three tons and 20 tons nominal cooling rating, with a single zone thermostat for each unit, controlled by the customer. More than one system, with its thermostat, may be included in the program at SCE's discretion, but no more than five.
Southern California Edison <a href="http://www.sce.com/sc3/002_save_energ/002i_load_redn/default.htm?id=load_reduct_button#isp">http://www.sce.com/sc3/002_save_energ/002i_load_redn/default.htm?id=load_reduct_button#isp</a>	<b>I-6 Base Interruptible Program</b> Provides lower energy and time-related demand charges for that portion of power usage a customer is willing to interrupt when requested by SCE. Interruption events are limited to one event per day, four events per calendar week (defined as Sunday through Saturday), and 25 events per year. An event will not exceed 6 hours, and the total periods of interruption will not be more than 40 hours per month or 150 hours per year.	<b>Businesses</b> Eligible customers with monthly demands of more than 500 kW who are adding new load, or are new to SCE's service territory.	Participants receive a monthly credit based on the difference between their average peak period demand for each month and their selected Firm Service Level.	Interval meter. If participants do not have an interval meter, the IOU can install one at no charge. Participants receiving a free meter will be required to remain in the program for one full year.
Southern California Edison <a href="http://www.sce.com/sc3/002_save_energ/002i_load_redn/default.htm?id=load_reduct_button#apis">http://www.sce.com/sc3/002_save_energ/002i_load_redn/default.htm?id=load_reduct_button#apis</a>	<b>Agricultural and Pumping Interruptible Service Program</b> Provides lower energy and/or time-related demand charges to customers who are willing to interrupt power usage at SCE's request. Interruption events are limited to one event per day, four events per calendar week (defined as Sunday through Saturday), or 25 events per year and will not exceed six hours per day, 40 hours per month, or 150 hours per year.	<b>Agricultural and pumping customers</b> Must register 50 kW or greater of maximum demand or have 50 horsepower or greater of connected load and may not participate in CAISO's Ancillary Services Load Program	A credit of \$0.00827 per kWh will be applied to actual monthly kWh usage. Penalties, or "excess energy charges," may apply to customers whose load is not reduced during an interruption event.	Must have a load control device installed at their location to connect the customer's account to the interruption notification system. Participants are responsible for the installation fees associated with SCE's control device.
San Diego Gas & Electric <a href="http://sdge.com/business/drp.shtml">http://sdge.com/business/drp.shtml</a>	<b>Rolling Blackout Reduction Program</b> Provides utility customers with a method to reduce the severity of rotating outages by using their Backup Emergency Generator when a Firm Load Curtailment Event is called. Program does not provide participants with an exemption from rotating outages.	<b>Businesses</b> Must have back-up generation capable of serving at least 15% of annual maximum demand or a minimum of 100 kW, whichever is greater.	Participants receive a \$.020/kWh bill credit for reducing their load by at least 15% (minimum 100 kW required).	None
San Diego Gas & Electric <a href="http://sdge.com/business/drp.shtml">http://sdge.com/business/drp.shtml</a>	<b>AL-TOU-CP</b> Program is based on an electric load reduction rate developed to help mitigate the impact of supply shortages. Participants shed load when requested by the CAISO or when SDG&E reaches specific peak levels.	<b>Businesses</b> Customers with distributed generation and who are receiving bundled service from SDG&E. Businesses without distributed generation who have the ability to reduce load when called upon may sign a special contract to participate.	Participants save up to 5% on the electric commodity portion of its SDG&E bill.	None
San Diego Gas & Electric <a href="http://sdge.com/business/drp.shtml">http://sdge.com/business/drp.shtml</a>	<b>Hourly Pricing Option (HPO)</b> Program is a daily-adjusted hourly rate structure that provides cost savings for customers who can shift energy usage to non-peak hours. Participants receive Day-Ahead notice of the hourly rates.	<b>Businesses</b> Customers with monthly maximum demands equal to or greater than 100 kW. Direct Access, self-generation and Net Energy Metering customers are not eligible. Accounts in which two or more meters are combined for billing are not eligible.	Flexible pricing provides opportunity for lower energy bills. Technical Assistance Incentives are available to qualified participants. Rates will be higher during peak hours.	None
San Diego Gas & Electric <a href="http://sdge.com/business/drp.shtml">http://sdge.com/business/drp.shtml</a>	<b>Smart Thermostat Program</b> Interactive demand response pilot program tests new technology for controlling air temperature and reducing bills. SDG&E installs at the customer's facility a pre-programmed thermostat connected to SDG&E via the Internet. SDG&E will monitor and alter the thermostat based on needs during summer weekdays from May 1 through October 31.	<b>Limited to 5,000 residential customers</b> Must have a working central air conditioner. Program available through 12/31/2004.	Participants may save money on electric bills, earn up to \$100 incentive from SDG&E for reducing energy use, and receive a new digital programmable thermostat (installed and programmed at no charge). Incentive payment will be reduced, by a small fee, every time the customer overrides their thermostat setting during program events.	At least one functional, existing central air conditioning system with a single zone thermostat for each unit, controlled by the customer. More than one system, with its thermostat, may be included in the program at SDG&E's discretion.
San Diego Gas & Electric <a href="http://sdge.com/business/drp.shtml">http://sdge.com/business/drp.shtml</a>	<b>Bill Protection</b> Bill Protection is available to customers during the first 14 months the customer is receiving Critical Peak Pricing or Hourly Pricing Option service, but no later than December 31, 2005.	<b>Businesses</b> Customers electing SDG&E commodity service on Schedule EEC-CP (Critical Peak Pricing) or Schedule EEC-HPO (Hourly Pricing Option).	Bill Protection provides that participating customers will pay no more for energy commodity service than they would have had they remained on Schedule EEC.	None